पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 15.03.2016
Date of Reporting : 16.03.2016

I. Regional Availability/Demand:

Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
34414	1791	36206	50.09	28412	1115	29526	49.89	763.5	38.42

* Half hourly (two 15 minutes block--one block each before and after the designated time) average frequency

II. A. State's Load Details (At States periphery) in MUs:

UI [OD:(+ve), UD: (-ve)]

State	State's Control Area Generation (Net MU)				Drawal Schedule	Actual Drawal	UI	Consumption	Shortages *
	Thermal	Hydro	Renewable/others $	Total	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(MU)
Punjab	20.55	3.50		24.05	56.45	56.05	-0.40	80.10	0.00
Haryana	22.16	0.37		22.53	78.61	76.98	-1.63	99.51	0.00
Rajasthan	120.65	2.82	9.37	132.84	58.95	61.53	2.58	194.37	0.00
Delhi	9.38			9.38	49.76	51.00	1.24	60.38	0.01
UP	126.65	3.50		130.15	97.45	98.06	0.60	228.20	29.14
Uttarakhand		9.03		9.03	21.72	23.62	1.90	32.65	0.00
HP		8.05		8.05	16.18	17.75	1.57	25.79	0.00
J & K		10.08	0.00	10.08	29.64	29.07	-0.57	39.15	9.28
Chandigarh				0.00	3.20	3.30	0.27	3.30	0.00
Total	**299.39**	**37.34**	**9.37**	**346.10**	**411.97**	**417.36**	**5.56**	**763.46**	**38.42**

* Shortage furnished by the respective constituent.$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

State	Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	3849	0	-116	-607	2822	0	25	278	3979
Haryana	4990	0	-89	100	2763	0	-29	137	5317
Rajasthan	7350	0	-351	-45	8125	0	97	488	8993
Delhi	2879	0	-179	-403	1819	0	104	-1000	3226
UP	10501	1305	95	9	9577	890	-73	130	10501
Uttarakhand	1628	0	1	457	1149	0	104	199	1704
HP	1094	0	-67	108	798	0	149	17	1412
J&K	1944	486	26	449	1274	225	-197	420	2059
Chandigarh	179	0	1	-20	85	0	13	-30	182
Total	**34414**	**1791**	**-679**	**48**	**28412**	**1115**	**193**	**638**	**36224**

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.03

III. Regional Entities :

UI [OG:(+ve), UG: (-ve)]

	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1690	1467	1846	40.35	1681	39.80	0.55
	Rihand I STPS (2*500)	1000	860	860	784	18.94	789	18.77	0.17
	Rihand II STPS (2*500)	1000	960	972	784	21.10	879	20.50	0.60
	Rihand III STPS (2*500)	1000	960	1010	807	21.67	903	21.43	0.24
	Dadri I STPS (4*210)	840	815	418	303	7.90	329	8.14	-0.24
	Dadri II STPS (2*490)	980	980	994	715	17.52	730	17.95	-0.43
	Unchahar I TPS (2*210)	420	350	384	290	7.18	299	7.18	0.01
	Unchahar II TPS (2*210)	420	404	441	303	7.76	323	7.82	-0.06
	Unchahar III TPS (1*210)	210	202	220	152	3.87	161	3.91	-0.04
	ISTPP (Jhajjhar) (3*500)	1500	950	467	355	9.29	387	9.57	-0.28
	Dadri GPS (4*130.19+2*154.51)	830	799	0	0	0.00	0	0.00	0.00
	Anta GPS (3*88.71+1*153.2)	419	415	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	494	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.03	1	0.02	0.00
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	3	0	0	0.06	2	0.06	-0.01
	KHEP(4*200)	800	655	654	0	2.90	121	2.80	0.10
	Sub Total (A)	**12112**	**10538**	**7887**	**6339**	**159**	**6608**	**158**	**1**
B. NPC	NAPS (2*220)	440	408	449	454	9.85	410	9.79	0.06
	RAPS- B (2*220)	440	382	423	424	9.17	382	9.17	0.00
	RAPS- C (2*220)	440	418	418	418	10.02	417	10.03	-0.02
	Sub Total (B)	**1320**	**1208**	**1289.89**	**1296.23**	**29.03**	**1210**	**28.99**	**0.04**
C. NHPC	Chamera I HPS (3*180)	540	534	548	0	4.34	181	3.90	0.44
	Chamera II HPS (3*100)	300	300	302	0	1.80	75	1.68	0.11
	Chamera III HPS (3*77)	231	235	230	0	0.94	39	0.85	0.10
	Bairasuil HPS(3*60)	180	182	185	63	2.26	94	2.23	0.03
	Salal-HPS (6*115)	690	481	447	556	11.77	491	11.45	0.33
	Tanakpur-HPS (3*40)	94	17	27	15	0.49	20	0.40	0.09
	Uri-I HPS (4*120)	480	450	470	473	11.04	460	10.77	0.27
	Uri-II HPS (4*60)	240	230	239	230	5.58	232	5.53	0.05
	Dhauliganga-HPS (4*70)	280	210	221	0	0.77	32	0.67	0.10
	Dulhasti-HPS (3*130)	390	387	399	0	3.26	136	2.99	0.27
	Sewa-II HPS (3*40)	120	103	84	130	2.62	109	2.47	0.14
	Parbati 3 (4*130)	520	143	130	0	0.53	22	0.51	0.01
	Sub Total (C)	**4065**	**3272**	**3283**	**1467**	**45**	**1891**	**43**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1604	0	7.00	292	7.00	0.00
	Rampur HEP (6*68.67)	412	442	372	0	1.92	80	1.95	-0.03
	Sub Total (D)	**1912**	**2047**	**1976**	**0**	**8.92**	**372**	**8.95**	**-0.03**
E. THDC	Tehri HPS (4*250)	1000	510	507	0	6.09	254	6.10	-0.01
	Koteshwar HPS (4*100)	400	114	304	89	2.76	115	2.73	0.03
	Sub Total (E)	**1400**	**624**	**811**	**89**	**8.84**	**369**	**8.83**	**0.01**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	451	755	376	10.67	445	10.82	-0.15
	Dehar HPS (6*165)	990	217	495	165	5.09	212	5.20	-0.11
	Pong HPS (6*66)	396	123	275	55	2.80	117	2.96	-0.15
	Sub Total (F)	**2765**	**791**	**1525**	**596**	**18.56**	**773**	**18.97**	**-0.41**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.39	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.84	-0.46
	Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.18	0.01
	Shree Cement TPS (2*150)	300	0	294	293	7.08	295	7.05	0.03
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.21	9	0.21	0.00
	Sub Total (G)	1662	0	919	293	11.27	470	11.67	-0.40
H. Total Regional Entities (A-G)		**25237**	**18479**	**17691**	**10081**	**280.60**	**11692**	**278.84**	**1.76**

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	201	160	3.51	146
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.08	-3
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	820	660	17.42	726
	Talwandi Saboo (2*660)	1320	0	0	-0.29	-12
	Thermal (Total)	**5360**	**1021**	**820**	**20.55**	**856**
	Total Hydro	1000	146	173	3.50	146
	Total Punjab	**6360**	**1167**	**993**	**24.05**	**1002**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	543	455	11.62	484
	Faridabad GPS (NTPC)	432	192	309	5.30	221
	RGTPP (khedar) (IPP) (2*600)	1200	560	0	5.25	219
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1295**	**764**	**22.16**	**923**
	Total Hydro	62	9	12	0.37	15
	Total Haryana	**5006**	**1304**	**776**	**22.53**	**939**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	686	763	17.90	746
	suratgarh TPS (6*250)	1500	382	372	9.74	406
	Chabra TPS (4*250)	1000	522	627	13.00	542
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	218	236	5.10	212
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	94	155	2.80	117
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	750	845	19.93	830
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	937	1082	24.62	1026
	Kawai(Adani) (2*660)	1320	1165	1173	27.58	1149
	Thermal (Total)	**8876**	**4754**	**5253**	**121**	**5027**
	Total Hydro	550	116	127	2.82	118
	Wind power	3214	53	180	6.03	251
	Biomass	99	20	20	0.47	20
	Solar	730	0	0	2.87	120
	Renewable/Others (Total)	4043	73	200	9.37	390
	Total Rajasthan	**13469**	**4943**	**5580**	**132.84**	**5535**
UP	Anpara TPS (3*210+2*500)	1630	1215	1210	29.10	1213
	Obra TPS (2*50+2*94+5*200)	1194	288	304	6.90	288
	Paricha TPS (2*110+2*220+2*250)	1140	787	802	18.20	758
	Panki TPS (2*105)	210	68	0	0.90	38
	Harduaganj TPS (1*60+1*105+2*250)	665	321	223	6.30	263
	Tanda TPS (NTPC) (4*110)	440	357	382	8.45	352
	Roza TPS (IPP) (4*300)	1200	545	540	11.30	471
	Anpara-C (IPP) (2*600)	1200	1080	1080	25.90	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	500	0	198	2.80	117
	Lalitpur TPS(2*660)	1320	0	0	0.00	0
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**11269**	**4661**	**4739**	**110**	**4577**
	Vishnuparyag HPS (IPP)(4*110)	440	66	64	1.50	63
	Alaknanada(4*82.5)	330	77	0	0.90	38
	Other Hydro	527	205	2	1.10	46
	Cogeneration	981	700	700	16.80	700
	Total UP	**13547**	**5709**	**5505**	**130**	**5423**
Uttarakhand	Total Hydro	1398	512	295	9.03	376
	Total Uttarakhand	**1398**	**512**	**295**	**9.03**	**376**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	34	35	0.91	38
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	-0.01	0
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.06	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	2.43	101
	Thermal (Total)	2917	449	450	9.38	391
	Total Delhi	**2917**	**449**	**450**	**9.38**	**391**
HP	Baspa HPS (IPP) (3*100)	300	0	40	1.03	43
	Malana HPS (IPP) (2*43)	86	0	0	0.29	12
	Other Hydro	878	300	285	6.73	280
	Total HP	**1264**	**300**	**325**	**8.05**	**335**
J & K	Baglihar HPS (IPP) (3*150)	450	384	290	7.32	305
	Other Hydro/IPP	560	138	123	2.76	115
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**522**	**413**	**10.08**	420
Total State Control Area Generation		**45161**	**14906**	**14337**	**346.10**	**14421**
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			**7157**	**5730**	**159.32**	**6638**
Total Regional Availability(Gross)		**70398**	**39754**	**30148**	**786.02**	**32751**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8874**	**2153**	**88.60**	**3691**
State Control Area Hydro	**6581**	**1953**	**1411**	**37**	**1556**
Total Regional Hydro	**18815**	**10827**	**3564**	**125.94**	**5247**

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	200	100	250	50	3.54	0.15	3.39
765 KV Gwalior-Agra (D/C)	2642	2479	3128	0	66.65	0.00	66.65
400 KV Zerda-Kankroli	-85	-235	0	235	0.00	3.61	-3.61
400 KV Zerda-Bhinmal	-11	-180	32	201	0.00	2.04	-2.04
220 KV Auraiya-Malanpur	-6	-31	0	61	0.00	0.08	-0.08
220 KV Badod-Kota/Morak	2	-35	63	35	0.19	0.00	0.19
Mundra-Mohindergarh(HVDC Bipole)	2503	2500	2515	0	60.45	0.00	60.45
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	818	643	1305	0	22.95	0.00	22.95
Sub Total WR	**6063**	**5241**			**153.77**	**5.87**	**147.89**
Pusauli Bypass/HVDC	400	400	400	0	8.89	0.00	8.89
400 KV MZP- GKP (D/C)	352	156	20	357	0.00	3.50	-3.50
400 KV Patna-Balia(D/C) X 2	449	261	454	0	7.38	0.00	7.38
400 KV B'Sharif-Balia (D/C)	56	-142	56	227	0.00	2.09	-2.09
765 KV Gaya-Balia	421	128	432	0	3.02	0.00	3.02
765 KV Gaya-Varanasi -1	-150	-80	0	267	0.00	3.11	-3.11
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-33	-23	0	33	0.00	-0.53	0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-267	-71	158	267	0.00	0.78	-0.78
400 KV Barh -GKP (D/C)	366	360	438	0	8.64	0.00	8.64
Sub Total ER	**1594**	**989**			**27.91**	**8.95**	**18.97**
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	7.54	-7.54
Sub Total NER	**-500**	**-500**			**0.00**	**7.54**	**-7.54**
Total IR Exch	**7157**	**5730**			**181.68**	**22.37**	**159.32**

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
32.34	0.08	32.42	-1.39	-7.37	-0.02	19.70	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total
31.01	125.72	156.74	11.42	147.89	159.32	-19.59	22.17	2.58

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-25	-27	0	32	0	1	-0.68

VI. Frequency Profile <---------- % of Time Frequency ---------->

<49.2	<49.7	<49.8	<49.9	<50.0	49.9-50.05	50.05-50.10	50.10-50.20	>50.20	>50.50
0.00	0.00	0.56	8.96	59.79	79.93	7.08	3.89	0.14	0.00

<---------- Frequency (Hz) ---------->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)	
50.21	18.04	49.76	0.06	49.98	0.045	0.065	0.00	0.00	20.07

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	405	01:20	399	23:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	03:01	402	18:43	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	02:54	378	14:51	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	02:53	402	12:23	0.0	0.0	0.0	0.0	0.0
Dadri	400	427	02:38	405	12:19	0.0	0.0	19.4	0.0	19.4
Ballabhgarh	400	432	02:53	406	12:20	0.0	0.0	30.6	1.7	30.6
Bawana	400	430	02:53	405	12:25	0.0	0.0	25.3	0.0	25.3
Bassi	400	425	05:00	398	22:30	0.0	0.0	3.1	0.0	3.1
Hissar	400	425	03:00	401	12:23	0.0	0.0	14.1	0.0	14.1
Moga	400	424	02:53	403	09:09	0.0	0.0	11.8	0.0	11.8
Abdullapur	400	429	02:53	406	18:53	0.0	0.0	43.9	0.0	43.9
Nalagarh	400	436	13:01	414	06:34	0.0	0.0	72.3	20.5	72.3
Kishenpur	400	431	01:53	161	20:03	37.3	37.3	21.1	0.1	58.5
Wagoora	400	412	01:52	374	20:43	11.2	42.0	0.0	0.0	11.2
Amritsar	400	429	02:53	407	09:08	0.0	0.0	33.3	0.0	33.3
Kashipur	400	420	00:53	412	09:05	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	428	02:53	406	09:07	0.0	0.0	36.0	0.0	36.0
Rishikesh	400	416	02:14	393	09:08	0.0	0.0	0.0	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	769	03:01	732	12:23	0.0	19.2	0.0	0.0	0.0
Balia	765	772	03:00	739	12:42	0.0	1.8	0.0	0.0	0.0
Moga	765	805	21:28	764	09:07	0.0	0.0	5.2	0.0	5.2
Agra	765	788	03:00	744	22:30	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	801	18:16	769	12:09	0.0	0.0	3.7	0.0	3.7
Unnao	765	767	21:58	730	12:19	0.0	29.4	0.0	0.0	0.0
Lucknow	765	786	03:00	748	19:19	0.0	0.0	0.0	0.0	0.0
Meerut	765	815	21:27	763	09:08	0.0	0.0	22.1	0.0	22.1
Jhatikara	765	811	02:54	768	12:19	0.0	0.0	17.2	0.0	17.2
Bareilly 765 kV	765	788	02:53	755	16:14	0.0	0.0	0.0	0.0	0.0
Anta	765	781	05:01	756	12:09	0.7	0.7	0.0	0.0	0.7
Phagi	765	789	05:03	752	22:23	0.0	0.0	0.0	0.0	0.0

IX. Reservior Parameters:

Name of Reservior	Parameters		Present Parameters		Last Year		Last day	
	FRL (m)	MDDL (m)	Level (m)	Energy (MU)	Level (m)	Energy (MU)	Inflow (m^3/s)	Usage (m^3/s)
Bhakra	513.59	445.62	482.67	527.87	481.12	481.64	271.33	327.88
Pong	426.72	384.05	397.35	168.56	401.52	252.05	69.57	212.06
Tehri	829.79	740.04	763.15	147.08	779.40	308.66	44.36	197.00
Koteshwar	612.50	598.50	611.39	5.20	610.87	5.01	197.00	182.00
Chamera-I	760.00	748.75	752.30	0.00	0.00	0.00	116.53	116.53
Rihand	268.22	252.98	845.00	181.70	847.20	212.40	0.00	0.00
RPS	352.80	343.81	0.00	0.00	0.00	0.00	0.00	0.00
Jawahar Sagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	498.07	0.00	505.42	3.08	305.04	0.00

*** NA: Not Available**

X(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	5	273	0	-842	234	0	-2.66	7.13	4.47
Delhi	-840	-161	0	-658	255	0	-17.21	3.34	-13.87
Haryana	-162	299	0	-191	292	0	-5.23	7.09	1.86
HP	30	-13	0	377	-269	0	8.23	-5.61	2.62
J&K	420	0	0	467	-18	0	9.69	-0.49	9.20
CHD	0	-30	0	0	-20	0	0.00	-0.46	-0.46
Rajasthan	-45	530	2	-41	-7	3	-0.26	11.36	11.10
UP	130	0	0	9	0	0	-4.87	0.00	-4.87
Uttarakhand	193	6	0	193	264	0	4.81	2.66	7.47
Total	**-268**	**904**	**2**	**-684**	**730**	**3**	**-7.50**	**25.02**	**17.52**

X(B). Short-Term Open Access Details:

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-842	353	209	0	0
Delhi	-649	-840	540	-166	0	0
Haryana	-162	-390	314	196	0	0
HP	575	30	-13	-996	0	0
J&K	467	384	0	-185	0	0
CHD	0	0	0	-56	0	0
Rajasthan	148	-45	533	-132	3	2
UP	248	-546	0	0	0	0
Uttarakhand	222	193	273	2	0	0

XI. System Reliability Indices(Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter - regional corridors

WR	**0.69%**
ER	**0.00%**
Simultaneous	**0.00%**

(ii)%age of times ATC violated on the inter-regional corridors

WR	**2.78%**
ER	**0.00%**
Simultaneous	**1.04%**

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	**0.00%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 15.03.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 15.03.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**